Year 8 Program of Study

	Year 8
Autumn 1	**Working practices** E-safety update, Online privacy, digital footprint, cyberbullying, fake news Get familiar with any changes to school systems Bitmap graphics **Spreadsheets** Create a theatre booking system covering the following: ✓ Cell referencing ✓ Formatting ✓ Sorting ✓ Formulas ✓ Functions
Autumn 2	**Exam** *(Assessment 6)* **Bebras computational thinking challenge** *(Assessment 7)* **Data** Collecting survey data and analysing using spreadsheets **Artificial Intelligence** What is it, ethics focus?
Spring 1	**Sequencing & Control** *(Assessment 8)* Create flowcharts to represent algorithms for controlling various systems from traffic lights to more complex control systems. Uses Flowol Control a variety of systems using Flowol
Spring 2	**Animation** Create 2D animations and use techniques such as layering, shape and motion tweening, frames, onion skinning Vector graphics
Summer 1	**Websites (***Assessment 9)* Creating websites using HTML Create a 3-page static website Move on to Dreamweaver, planning
Summer 2	**Advertising campaign using multimedia** Pupils can create a variety of multimedia products Making a radio advert / podcast/sound Video – Use ipads, iMovie to record and edit eg tying shoe laces, working in groups. Planning and shooting a short film